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Attn: Box Missing Parts
Washington, D.C. 20231

On August 30, 2000

TOWNSEND and TOWNSEND and CREW LLP

By: Eleanor J. Taylor
Eleanor J. Taylor

PATENT
Attorney Docket No.: 19880-001620

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Donald F. Gordon et al.

Application No.: 09/538,562

Filed: March 29, 2000

For: DEMAND-CAST SYSTEM AND
BANDWIDTH MANAGEMENT FOR
DELIVERY OF INTERACTIVE
PROGRAMMING

Box Missing Parts
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Under 37 CFR §1.34(b), applicant's undersigned principal attorney of record appoints P. G. Scott Born, Registration No. 40,523, as an associate attorney to prosecute this case and to transact all business in the Patent and Trademark Office connected therewith. The associate attorney's address and telephone number are as follows.

Examiner: Unassigned

Art Unit: 2739

APPOINTMENT OF ASSOCIATE
ATTORNEY UNDER 37 CFR § 1.34(b)

Telephone: (650) 326-2400

Donald F. Gordon et al.
Application No.: 09/538,562
Page 2

PATENT

Address: Townsend and Townsend and Crew LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834

Respectfully submitted,



James K. Okamoto
Reg. No. 40,110

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(415) 576-0200
Fax (415) 576-0300

PA 3093397 v1



Attorney Docket No. 019880-001620

POWER OF ATTORNEY BY ASSIGNEE

DIVA SYSTEMS CORPORATION, located at 800 Saginaw Drive, Redwood City, California 94063, is the Assignee of the invention entitled:

**DEMAND-CAST SYSTEM AND BANDWIDTH MANAGEMENT FOR DELIVERY OF
INTERACTIVE PROGRAMMING**

the specification of which was filed on March 29, 2000 as Application No. 09/535,562.

The Assignment accompanying this Power of Attorney has been reviewed by the undersigned. The undersigned certifies that to the best of the undersigned's knowledge and belief, title is in the Assignee. The undersigned (whose title is supplied below) is empowered to act on behalf of the Assignee.

Assignee hereby appoints the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

James K. Okamoto, Reg. No. 40,110
William L. Shaffer, Reg. No. 37,234

Send Correspondence to:

James K. Okamoto, Esq.
TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, CA 94111-3834

Direct Telephone Calls to:

James K. Okamoto
Reg. No. 40,110
(650) 326-2400

Date: 7/12/00

DIVA SYSTEMS CORPORATION

By Sophanie A. Stowes

COPY

Attorney Docket No.: 19880-001620
Client Reference No.: 247-CIP1

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Donald F. Gordon, of 465 Gabilan Street #10, Los Altos, CA 94022, Sadik Bayrakeri, of 733 Shell Boulevard #104, Foster City, CA 94404, Edward A. Ludvig, of 831 Canyon Road, Redwood City, CA 94061, Eugene Gershtein, of 1418 Valota Road, Redwood City, CA 94061, Jeremy S. Edmonds, of 18923 Sydney Circle, Castro Valley, CA 94546, John P. Comito, of 907 Pleasant Hill Road, Redwood City, CA 94061, Alfred Li, of 161 Positano Circle, Redwood City, CA 94065, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **DEMAND-CAST SYSTEM AND BANDWIDTH
MANAGEMENT FOR DELIVERY OF INTERACTIVE
PROGRAMMING**

Date(s) of execution of Declaration:

Filing Date: **March 29, 2000**

Application No.: **09/538,562**

WHEREAS, DIVA Systems Corporation, a corporation of the state of Delaware, located at 800 Saginaw Drive, Redwood City, CA, 94063, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

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Page 2

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 8/2/2000

Donald F. Gordon

STATE OF CALIFORNIA)
COUNTY OF)
ss.

On _____, before me, _____, personally appeared Donald F. Gordon, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC

My Commission Expires: _____

Dated: 7-11-00

~~S.B~~
Sadik Bayrakeri

On _____, before me, _____, personally appeared Sadik Bayrakeri, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC

My Commission Expires:

Assignment
Attorney Docket No.: 19880-001620
Page 3

Dated: 07/11/2020

~~Edward A. Ludvig~~

STATE OF CALIFORNIA)
COUNTY OF)
ss.

On _____, before me, _____, personally appeared Edward A. Ludvig, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC

My Commission Expires:

Dated: 2000/07/11

Eugene Gershstein

STATE OF CALIFORNIA)
COUNTY OF)
) SS.

On _____, before me, _____, personally appeared Eugene Gershstein, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

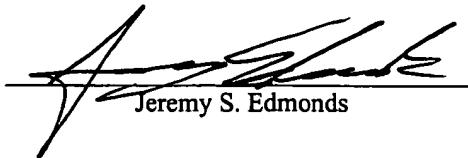
WITNESS my hand and official seal.

NOTARY PUBLIC

My Commission Expires:

Assignment
Attorney Docket No.: 19880-001620
Page 4

Dated: 7/14/00



Jeremy S. Edmonds

STATE OF CALIFORNIA)
) ss.
COUNTY OF)

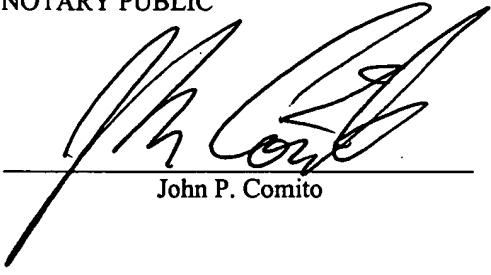
On _____, before me, _____, personally appeared Jeremy S. Edmonds, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC

My Commission Expires: _____

Dated: 7/1/2000



John P. Comito

STATE OF CALIFORNIA)
) ss.
COUNTY OF)

On _____, before me, _____, personally appeared John P. Comito, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC

My Commission Expires: _____

Assignment
Attorney Docket No.: 19880-001620
Page 5

Dated: August 3, 2000

Alfred Li
Alfred Li

On _____, before me, _____, personally appeared Alfred Li, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC

My Commission Expires:

PA 3076493 v1



DECLARATION

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **DEMAND-CAST SYSTEM AND BANDWIDTH MANAGEMENT FOR DELIVERY OF INTERACTIVE PROGRAMMING** the specification of which was filed on March 29, 2000 as Application No. 09/538,562.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date
60/178,100	January 26, 2000

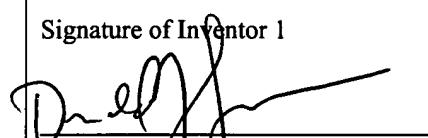
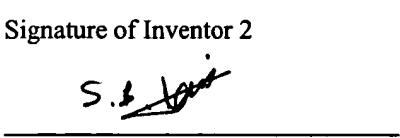
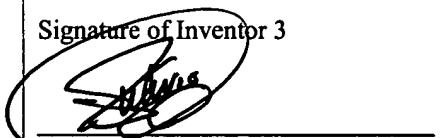
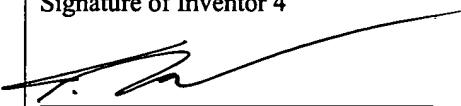
I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status
09/524,854	March 14, 2000	Pending

Full Name of Inventor 1:	Last Name: GORDON	First Name: DONALD	Middle Name or Initial: F.
Residence & Citizenship:	City: Los Altos	State/Foreign Country: California	Country of Citizenship: United States
Post Office Address:	Post Office Address: 465 Gabilan Street #10	City: Los Altos	State/Country: California Postal Code: 94022
Full Name of Inventor 2:	Last Name: BAYRAKERI	First Name: SADIK	Middle Name or Initial:
Residence & Citizenship:	City: Foster City	State/Foreign Country: California	Country of Citizenship: Turkey
Post Office Address:	Post Office Address: 733 Shell Boulevard #104	City: Foster City	State/Country: California Postal Code: 94404

Full Name of Inventor 3:	Last Name: LUDVIG	First Name: EDWARD	Middle Name or Initial: A.
Residence & Citizenship:	City: Redwood City	State/Foreign Country: California	Country of Citizenship: Canada
Post Office Address:	Post Office Address: 831 Canyon Road	City: Redwood City	State/Country: California Postal Code: 94061
Full Name of Inventor 4:	Last Name: GERSHTEIN	First Name: EUGENE	Middle Name or Initial:
Residence & Citizenship:	City: Redwood City	State/Foreign Country: California	Country of Citizenship: United States
Post Office Address:	Post Office Address: 1418 Valota Road	City: Redwood City	State/Country: California Postal Code: 94061
Full Name of Inventor 5:	Last Name: EDMONDS	First Name: JEREMY	Middle Name or Initial: S.
Residence & Citizenship:	City: Castro Valley	State/Foreign Country: California	Country of Citizenship: United States
Post Office Address:	Post Office Address: 18923 Sydney Circle	City: Castro Valley	State/Country: California Postal Code: 94546
Full Name of Inventor 6:	Last Name: COMITO	First Name: JOHN	Middle Name or Initial: P.
Residence & Citizenship:	City: Redwood City	State/Foreign Country: California	Country of Citizenship: United States
Post Office Address:	Post Office Address: 907 Pleasant Hill Road	City: Redwood City	State/Country: California Postal Code: 94061
Full Name of Inventor 7:	Last Name: LI	First Name: ALFRED	Middle Name or Initial:
Residence & Citizenship:	City: Redwood City	State/Foreign Country: California	Country of Citizenship: Hong Kong
Post Office Address:	Post Office Address: 161 Positano Circle	City: Redwood City	State/Country: California Postal Code: 94065

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  Donald F. Gordon	Signature of Inventor 2  Sadik Bayrakeri	Signature of Inventor 3  Edward A. Ludvig
Date 7-11-00	Date 7-11-00	Date 7/11/2000
Signature of Inventor 4  Eugene Gershtein	Signature of Inventor 5  Jeremy S. Edmonds	Signature of Inventor 6  John P. Comito
Date 2000/07/11	Date 7/11/00	Date 7/11/2000

Signature of Inventor 7

Alfred Li

Date August 3, 2000

PA 3076507 v1